

WHAT IS CLAIMED IS:

1. A bottomless spar-type oil storage tank comprising a structure of a bottomless spar, and a buoy and dual walls for solving buoyancy and ballasting problem.

5 2. A bottomless spar-type oil storage tank comprising a structure of a bottomless spar, a buoy and dual walls for solving a buoyancy and ballasting problem, and a pliable film for preventing oil in the tank and sea water from adhering to each other.

3. A bottomless spar-type oil storage tank comprising a structure of a bottomless spar,
10 a buoy and dual walls for solving a buoyancy and ballasting problem, and an upward/downward-moving rigid bottom for preventing oil in the tank and sea water from adhering to each other.

4. A bottomless spar-type oil storage tank according to claims 1 to 3, wherein the spar
15 includes:

an inner vessel and an outer vessel spar-type coupled to each other;

an oil storage chamber formed in the inner vessel;

a permanent ballast tank provided in the lower portion between the inner and outer vessels, and permanently holding pieces of iron, orecrete, concrete, sludge, etc.;

20 a sea water ballast tank provided on a separating panel; and

an air buoyancy tank provided on the tank.